

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/520495	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:02
S2	3	(costa-F\$ or Costa-L\$).in. and hydrolyz\$4.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:03
S3	59869	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:18
S4	590248	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:19
S5	576292	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:20
S6	53546	(hydrolysis or hydrolyz\$4) with alcohol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:22
S7	34	S3 same S4 same S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:23

S8	59889	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:31
S9	82	S8 with S4 same S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:32
S10	7	S9 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:32
S11	68	polyorganosiloxane with (glassy or amorphous or vitreous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:42
S12	62	S9 and (gel or sol adj gel or solgel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 07:58
S13	572748	"9" and (gel or sol adj gel or solgel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 09:59
S14	60363	(TEOS or TMOS or tetramethyl adj orthosilicate or tetramethylorthosilicate or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:26
S15	590248	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:26

S16	576292	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:26
S17	509	S14 with S15 same4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:27
S18	83	S14 with S15 same S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:27
S19	63	S18 and (gel or solgel or sol adj gel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:28
S20	9	S18 and (glassy or vitreous or amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:28
S21	6	S18 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:31
S22	59889	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:31
S23	82	S22 with S15 same S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:31
S24	7	S23 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:31

S25	0	S21 not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/24 10:31
S26	59889	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:02
S27	456013	(hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:02
S28	576292	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:02
S29	421685	(vitreous or glassy or amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:03
S30	7112488	film or layer or coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:03
S31	590248	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:04
S32	11	S31 and S29 near2 S30 and S26 same S27 same S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:05
S33	955763	evaporat\$4 or desolventiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:07

S34	9	S32 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:07
S35	2	S32 not S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:18
S36	11	phosphate with laser with glass and surface with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 07:57
S37	66	phosphate near3 glass and (moisture or water with resist\$4) with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 08:20
S38	15	phosphate near3 glass with (substrate or support or wafer) and (moisture or water with resist \$4) with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 08:21
S39	1575	427/376.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 08:40
S40	7	(acetone or aprotic) adj2 (instead or in adj place adj of) adj4 isopropanol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 08:48
S41	53	(benefit or superior or inferior or preferred or better or less or more or stronger or resistant) with (protic or alcohol) with (aprotic or acetone) with solvent and (aprotic or acetone) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 09:46
S42	4	(benefit or superior or inferior or preferred or better or less or more or stronger or resistant) with (acetone) with solvent and (aprotic) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 10:37

S43	1	(benefit or superior or inferior or preferred or better or stronger or resistant) with (acetone) with solvent and (aprotic) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 10:37
S51	18	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) with (temp or temperature) and solgel and TEOS and (hydrolyz\$4 or hydrolysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 11:57
S52	5	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) with (temp or temperature) and solgel and TEOS and (hydrolyz\$4 or hydrolysis) and (wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 11:58
S53	7	"3951863"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 12:01
S58	4	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) and solgel and (xerogel or xero adj gel) and (hydrolyz\$4 or hydrolysis) and (wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 12:56
S59	17	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) and solgel and (xerogel or xero adj gel) and (hydrolyz\$4 or hydrolysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 12:56
S60	580	(silica or sio2 or "sio.sub.2" or teos or tmoes or tmeos) and (dry or drying or dried) same (xerogel or xero adj gel) and (solgel or sol adj gel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/25 13:04
S61	3	(silica or sio2 or "sio.sub.2") and film and solgel and TEOS and (hydrolyz\$4 or hydrolysis) same ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/19 12:59

S62	5	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) same ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/19 13:03
S63	25	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) and ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/19 13:22
S64	25	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) and ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4 or exhang\$4 near2 (alcohol or solvent))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/19 13:24
S65	1	(hydrolyz\$4 or hydrolysis) with partial adj desolventization with sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 07:21
S66	1	(hydrolyz\$4 or hydrolysis) with partial adj desolventization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 07:21
S67	189	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 07:23
S68	88	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting)) and (solgel or sol or teos or alkoxyisilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 07:24
S69	13	"4816049"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 09:52

S70	32	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting)) and (solgel or sol or teos or alkoxysilane) and (acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/19 10:29
S71	1	(silica or sio2 or "sio.sub.2") and solgel and TEOS and (hydrolyz\$4 or hydrolysis) and (additional or addition or adding or added or add) with (water or h2o or "h. sub.2o") with maintain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 07:24
S72	12	(silica or sio2 or "sio.sub.2") and solgel and TEOS and (hydrolyz\$4 or hydrolysis) with (additional or addition or adding or added or add) with (water or h2o or "h. sub.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 07:26
S73	21	(sol or solgel) and (acetone or tetrahydrofuran or dioxane or aprotic) and (acetone or tetrahydrofuran or dioxane or aprotic) with (replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:19
S74	234	(sol or solgel) and solvent with (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:29
S75	123	(sol or solgel) and solvent with (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate) and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:29
S76	35	(US-20050215076-\$ or US-20040198855-\$ or US-20020160153-\$).did. or (US-5304364-\$ or US-6852300-\$ or US-4985286-\$ or US-4571366-\$ or US-4596733-\$ or US-4842901-\$ or US-5723247-\$ or US-5637135-\$ or US-6147156-\$ or US-6387453-\$ or US-5757989-\$ or US-6330388-\$ or US-5424130-\$ or US-5693365-\$ or US-6207236-\$ or US-4816049-\$ or US-5738678-\$ or US-5449733-\$ or US-4686195-\$ or US-4923950-\$ or US-5272240-\$ or US-4937208-\$ or US-4508887-\$ or US-5932757-\$ or US-6620514-\$ or US-4798815-\$).did. or (US-6599635-\$).did. or (WO-9952964-\$).did. or (JP-2000302869-\$ or JP-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/03/25 11:30



		2000309753-\$ or JP-63134525-\$). did. or (JP-01067211-\$).did.				
S77	0	S74 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:30
S78	907	(sol or solgel) and (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:30
S79	0	S78 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:30
S80	1616	(sol or solgel) and (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate or evaporation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:31
S82	2	S76 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:31
S83	7608	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:33
S84	1839	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:33
S85	276	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal) with (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:34

S86	465	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal or corresponding or portion or volume) with (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:35
S87	159	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal or corresponding or portion or volume) with (aprotic or acetone or tetrahydrofuran or dioxane) and (TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or alkoxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 11:36
S88	19	"5096745"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 10:12
S89	3	"20040025537"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 10:14
S90	16	"5866027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 10:18
S91	92	(sol or solgel) with (store or storage or stored or shelflife or shelf adj life) with (long or prolong or prolonged) and (remov\$4 or exchang\$4) with (solvent or solution or alcohol or ethanol or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 10:22

S92	24	(sol or solgel) with (store or storage or stored or shelflife or shelf adj life) with (long or prolong or prolonged) and (exhang\$4 or replac\$4) with (solvent or solution or alcohol or ethanol or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 10:27
S94	1	10/520495	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S95	8	(costa-F\$ or Costa-L\$).in. and hydrolyz\$4.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S96	69777	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S97	663937	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S98	651672	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S99	59430	(hydrolysis or hydrolyz\$4) with alcohol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S100	36	S96 same S97 same S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S101	69797	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S102	94	S101 with S97 same S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S103	8	S102 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S104	71	polyorganosiloxane with (glassy or amorphous or vitreous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S105	69	S102 and (gel or sol adj gel or solgel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S106	664008	"9" and (gel or sol adj gel or solgel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S107	70361	(TEOS or TMOS or tetramethyl adj orthosilicate or tetramethylorthosilicate or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S108	663937	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S109	651672	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S110	95	S107 with S108 same S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S111	70	S110 and (gel or solgel or sol adj gel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S112	10	S110 and (glassy or vitreous or amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S113	7	S110 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S114	69797	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S115	94	S114 with S108 same S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S116	8	S115 same (hydrolysis or hydrolyz \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S117	0	S113 not S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S118	69797	(TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or MTEOS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S119	509141	(hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S120	651672	hcl or hydrochloric adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S121	482363	(vitreous or glassy or amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S122	7942698	film or layer or coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S123	663937	acetone or tetrahydrofuran or dioxane or aprotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S124	13	S123 and S121 near2 S122 and S118 same S119 same S120	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S125	1060922	evaporat\$4 or desolventiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S126	11	S124 and S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S127	2	S124 not S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S128	14	phosphate with laser with glass and surface with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S129	84	phosphate near3 glass and (moisture or water with resist\$4) with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S130	16	phosphate near3 glass with (substrate or support or wafer) and (moisture or water with resist \$4) with (coating or layer or film) and spin adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S131	1614	427/376.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S132	8	(acetone or aprotic) adj2 (instead or in adj place adj of) adj4 isopropanol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S133	60	(benefit or superior or inferior or preferred or better or less or more or stronger or resistant) with (protic or alcohol) with (aprotic or acetone) with solvent and (aprotic or acetone) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S134	10	(benefit or superior or inferior or preferred or better or less or more or stronger or resistant) with (acetone) with solvent and (aprotic) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S135	2	(benefit or superior or inferior or preferred or better or stronger or resistant) with (acetone) with solvent and (aprotic) with (solgel or gel or sol) and (solgel or gel or sol) same (hydrolysis or hydrolyz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S136	19	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) with (temp or temperature) and solgel and TEOS and (hydrolyz\$4 or hydrolysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S137	5	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) with (temp or temperature) and solgel and TEOS and (hydrolyz\$4 or hydrolysis) and (wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S138	7	"3951863"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S139	4	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) and solgel and (xerogel or xero adj gel) and (hydrolyz\$4 or hydrolysis) and (wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S140	17	(silica or sio2 or "sio.sub.2") and (dry or drying or dried) and solgel and (xerogel or xero adj gel) and (hydrolyz\$4 or hydrolysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S141	644	(silica or sio2 or "sio.sub.2" or teos or tmoes or tmeos) and (dry or drying or dried) same (xerogel or xero adj gel) and (solgel or sol adj gel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S142	3	(silica or sio2 or "sio.sub.2") and film and solgel and TEOS and (hydrolyz\$4 or hydrolysis) same ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17



S143	7	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) same ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S144	29	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) and ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S145	29	(silica or sio2 or "sio.sub.2") same solgel and (hydrolyz\$4 or hydrolysis) and ((remove or removal or removing or removed or evaporate or evaporated or evaporating) with (alcohol or ethanol or solvent) or desolvent \$4 or exhang\$4 near2 (alcohol or solvent))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S146	1	(hydrolyz\$4 or hydrolysis) with partial adj desolventization with sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S147	1	(hydrolyz\$4 or hydrolysis) with partial adj desolventization	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S148	194	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S149	89	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting)) and (solgel or sol or teos or alkoxyisilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S150	13	"4816049"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S151	33	(hydrolyz\$4 or hydrolysis) with remov\$4 near3 (biproducs or bi adj products or alcohol adj (produced or formed or resulting)) and (solgel or sol or teos or alkoxysilane) and (acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S152	1	(silica or sio2 or "sio.sub.2") and solgel and TEOS and (hydrolyz\$4 or hydrolysis) and (additional or addition or adding or added or add) with (water or h2o or "h. sub.2o") with maintain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S153	12	(silica or sio2 or "sio.sub.2") and solgel and TEOS and (hydrolyz\$4 or hydrolysis) with (additional or addition or adding or added or add) with (water or h2o or "h. sub.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S154	21	(sol or solgel) and (acetone or tetrahydrofuran or dioxane or aprotic) and (acetone or tetrahydrofuran or dioxane or aprotic) with (replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S155	234	(sol or solgel) and solvent with (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S156	123	(sol or solgel) and solvent with (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate) and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S157	35	(US-20050215076-\$ or US-20040198855-\$ or US-20020160153-\$).did. or (US-5304364-\$ or US-6852300-\$ or US-4985286-\$ or US-4571366-\$ or US-4596733-\$ or US-4842901-\$ or US-5723247-\$ or US-5637135-\$ or US-6147156-\$ or US-6387453-\$ or US-5757989-\$ or US-6330388-\$ or US-5424130-\$ or US-5693365-\$ or US-6207236-\$ or US-4816049-\$ or US-5738678-\$ or US-5449733-\$ or US-4686195-\$ or US-4923950-\$ or US-5272240-\$ or US-4937208-\$ or US-4508887-\$ or US-5932757-\$ or US-6620514-\$ or US-4798815-\$).did. or (US-6599635-\$).did. or (WO-9952964-\$).did. or (JP-2000302869-\$ or JP-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/12 10:17

		2000309753-\$ or JP-63134525-\$). did. or (JP-01067211-\$).did.				
S158	0	S155 and S157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S159	908	(sol or solgel) and (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S160	0	S159 and S157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S161	1617	(sol or solgel) and (exchang\$4 or replac\$4) with (evaporating or evaporated or evaporate or evaporation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S162	2	S157 and S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S163	7624	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S164	1844	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S165	276	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal) with (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S166	465	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal or corresponding or portion or volume) with (aprotic or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S167	159	(sol or solgel) and (solution or solvent or ethanol or alcohol) with (exchang\$4 or replac\$4) same2 hydroly\$5 and (aprotic or acetone or tetrahydrofuran or dioxane) and (amount or equal or corresponding or portion or volume) with (aprotic or acetone or tetrahydrofuran or dioxane) and (TEOS or TMOS or tetramethyl adj orthosilane or tetramethylorthosilane or tetraethylorthosilicate or tetrapropylorthosilicate or tetrabutylorthosilicate or ethyltriethoxysilane or methyltrimethoxysilane or methyltriethoxysilane or alkoxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S168	19	"5096745"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S169	3	"20040025537"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S170	16	"5866027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S171	92	(sol or solgel) with (store or storage or stored or shelflife or shelf adj life) with (long or prolong or prolonged) and (remov\$4 or exhang\$4) with (solvent or solution or alcohol or ethanol or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17

S172	24	(sol or solgel) with (store or storage or stored or shelflife or shelf adj life) with (long or prolong or prolonged) and (exchang\$4 or replac\$4) with (solvent or solution or alcohol or ethanol or acetone or tetrahydrofuran or dioxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/12 10:17
S179	307	106/481.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/20 08:44
S180	371	106/490.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/20 08:45
S181	324	106/491.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/20 08:45
S182	880	S179 or S180 or S181	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/20 08:45

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S173	0	((aprotic or acetone or tetrahydrofuran or dioxane) and alkoxide and hydrolysis and (equal or replace) with (alcohol or ethanol)).clm.	USPAT; UPAD	OR	ON	2010/04/12 10:14
S174	39	((aprotic or acetone or tetrahydrofuran or dioxane) and alkoxide and hydrolysis and (alcohol or ethanol)).clm.	USPAT; UPAD	OR	ON	2010/04/12 10:14
S175	0	(costa-F\$ or Costa-L\$).in. and aprotic.clm.	USPAT; UPAD	OR	ON	2010/04/12 10:15
S176	0	(costa-F\$ or Costa-L\$).in. and (aprotic).clm.	USPAT; UPAD	OR	ON	2010/04/12 10:15
S177	3	(costa-F\$ or Costa-L\$).in. and (hydrolysis).clm.	USPAT; UPAD	OR	ON	2010/04/12 10:15

**4/ 20/ 2010 10:07:21 AM**

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alkoxide aprotic solvent and water and hcl.wsp**